

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

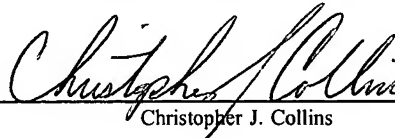
Mail Stop Patent Application  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

NEW APPLICATION TRANSMITTAL

Transmitted herewith for filing is the patent application of Madhavi Krishnan, Victor Ugaz and Mark Burns for **Methods of Performing Biochemical Reactions in a Convective Flow Field**.

CERTIFICATION UNDER 37 C.F.R. § 1.10

I hereby certify that this New Application Transmittal and the documents referred to as enclosed therein are being deposited with the U.S. Postal Service on this date **October 3, 2003** in an envelope as "Express Mail Post Office to Addressee" Mailing Label Number **EV 329482625 US** addressed to: **Mail Stop Patent Application**, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

  
Christopher J. Collins

1. **Type Of Application**  
This new application is for a(n)  
☒ Original (nonprovisional)
2. **Papers Enclosed That Are Required For Filing Date Under 37 C.F.R. § 1.53(b) (Regular) or 37 C.F.R. § 1.153 (Design) Application**  
70 Pages of Specification  
4 Pages of Claims  
1 Page of Abstract  
17 Sheets of Informal Drawings
3. **Declaration**  
☒ Enclosed  
☒ Unexecuted.
4. **Inventorship Statement**  
The inventorship for all the claims in this application is:  
☒ the same
5. **Language**  
☒ English
6. **Assignment**  
☒ An assignment of the invention to **The Regents Of The University of Michigan** is attached.  
☒ Form PTO-1595 will follow.
7. **Fee Calculation (37 C.F.R. § 1.16)**  
☒ Regular application

CLAIMS AS FILED

| Number Filed  | Number Extra | Rate           | Basic Fee - \$770.00<br>(37 C.F.R. § 1.16(a)) |
|---|--------------|----------------|---|
| Total Claims (37 C.F.R. § 1.16(c))                        | 31 - 20 =    | 11 × \$18.00 = | \$198.00                                      |
| Independent Claims (37 C.F.R. § 1.16(b))                  | 4 - 3 =      | 1 × \$86.00 =  | \$86.00                                       |
| Multiple Dependent Claim(s), if any (37 C.F.R. § 1.16(d)) | + \$290.00 = |                | \$0.00  |
| <b>Filing Fee Calculation</b>                             |              |                | <b>\$1054.00</b>                              |

8. **Small Entity Statement(s)**  
☒ Verified Statement(s) that this is a filing by a small entity under 37 C.F.R. §§ 1.9 and 1.27.  
**Filing Fee Calculation (50% of above)** **\$527.00**

9. Fee Payment Being Made At This Time

- ☒ Enclosed  
☒ basic filing fee \$527.00
- Total Fees Enclosed \$527.00**

10. Method of Payment of Fees

- ☒ Check in the amount of \$527.00

11. Authorization To Charge Additional Fees and Credit Overpayment

- ☒ The Commissioner is hereby authorized to charge payment of any fees associated with this communication or credit any overpayment to Deposit Account No.: 08-1290. An originally executed duplicate of this transmittal is enclosed for this purpose.

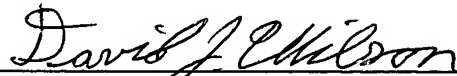
12. Power of Attorney by Assignee

- ☒ Enclosed

13. Return Receipt Postcard

- ☒ Enclosed

Dated: October 3, 2003



David J. Wilson  
Registration No.: 45,225

MEDLEN & CARROLL, LLP  
101 Howard Street, Suite 350  
San Francisco, California 94105  
617/984-0616

☒ Statement Where No Further Pages Added

- ☒ This transmittal ends with this page.